=> fil hcaplus
FILE 'HCAPLUS' ENTERED AT 10:56:48 ON 01 APR 2003
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FILE COVERS 1907 - 1 Apr 2003 VOL 138 ISS 14
FILE LAST UPDATED: 31 Mar 2003 (20030331/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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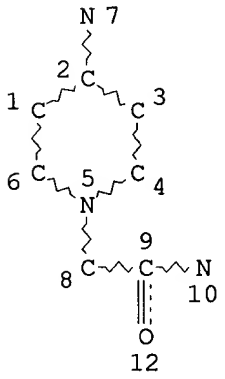
=> d stat que
L7 STR



NODE ATTRIBUTES:
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
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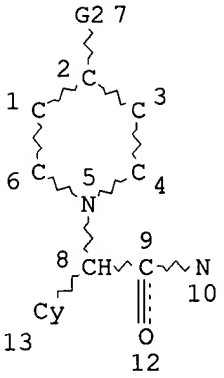
NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE
L9 458 SEA FILE=REGISTRY SSS FUL L7
L12 STR



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N~G1~OH
@17 18 19

REP G1=(3-3) C
VAR G2=14/17
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE
L13 18 SEA FILE=REGISTRY SUB=L9 SSS FUL L12
L14 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L13

=>
=>

=> d ibib abs hitstr l14 1-5

L14 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:869585 HCAPLUS
DOCUMENT NUMBER: 137:346202
TITLE: Pharmaceutical compositions based on anticholinergics and NK1-receptor antagonists for the treatment of respiratory tract diseases
INVENTOR(S): Pairet, Michel; Pieper, Michael P.; Meade, Christopher J. M.
PATENT ASSIGNEE(S): Germany
SOURCE: U.S. Pat. Appl. Publ., 18 pp., Cont.-in-part of U. S. Provisional Ser. NO. 281,653.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002169181	A1	20021114	US 2002-92116	20020306
DE 10111058	A1	20020912	DE 2001-10111058	20010308

PRIORITY APPLN. INFO.: DE 2001-10111058 A 20010308

US 2001-281653P P 20010405

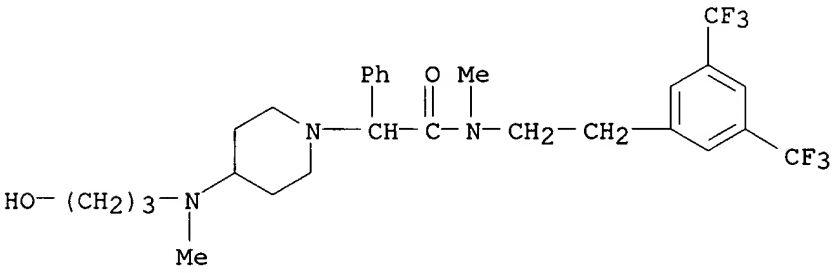
OTHER SOURCE(S): MARPAT 137:346202

AB The invention discloses pharmaceutical compns. based on anticholinergics and NK1-receptor antagonists, processes for prepg. them, and their use in the treatment of respiratory tract diseases. Prepn. of selected compds. is included.

IT **415916-92-6P 415917-00-9P 415917-07-6P 457910-79-1P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(anticholinergics and NK1-receptor antagonists for treatment of respiratory tract diseases)

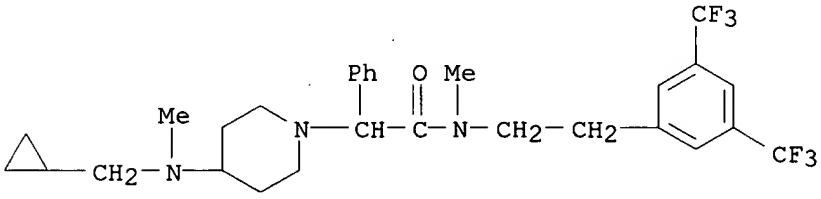
RN 415916-92-6 HCAPLUS

CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(3-hydroxypropyl)methylamino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)



RN 415917-00-9 HCAPLUS

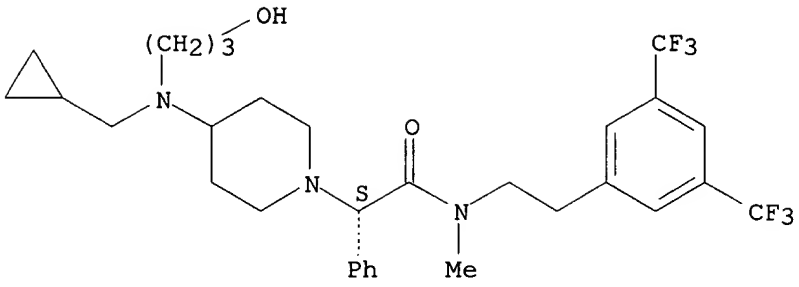
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)methylamino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)



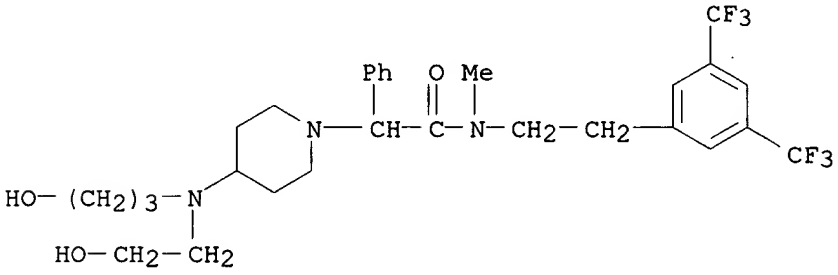
RN 415917-07-6 HCAPLUS

CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl-, (.alpha.S)- (9CI) (CA INDEX NAME)

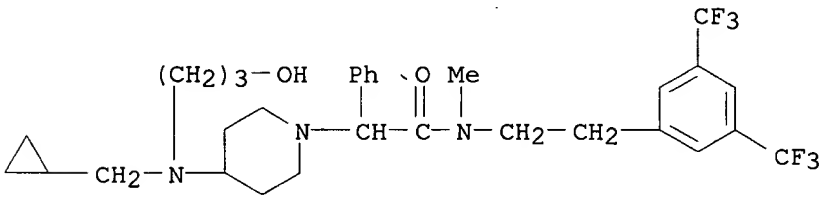
Absolute stereochemistry.



RN 457910-79-1 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(2-hydroxyethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)



IT **457910-81-5**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(anticholinergics and NK1-receptor antagonists for treatment of respiratory tract diseases)
RN 457910-81-5 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)



L14 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:695760 HCAPLUS
DOCUMENT NUMBER: 137:237717
TITLE: Inhalant compositions containing anticholinergics and NK1 receptor antagonists
INVENTOR(S): Meade, Christopher John Montague; Pairet, Michel;

Pieper, Michael Paul
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma K.-G., Germany
SOURCE: PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

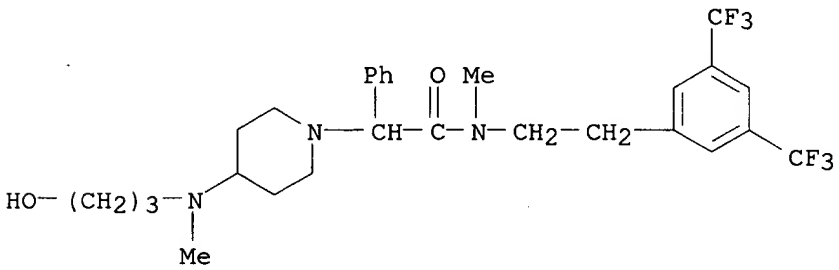
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002069944	A2	20020912	WO 2002-EP1987	20020226
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10111058	A1	20020912	DE 2001-10111058	20010308

PRIORITY APPLN. INFO.: DE 2001-10111058 A 20010308
OTHER SOURCE(S): MARPAT 137:237717

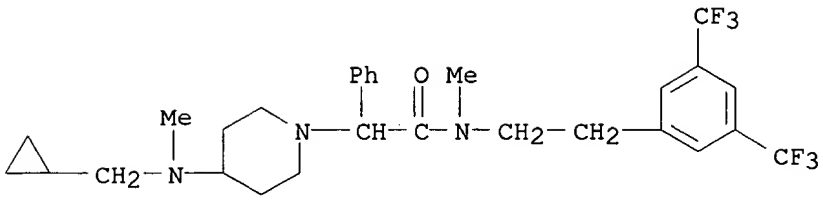
AB The invention relates to drug compns. based on anticholinergics and on NK1 receptor antagonists, to methods for their prodn., and to their use as inhalants for the treatment of respiratory tract diseases. Synthesis of NK1 receptor antagonists from the group of bis-trifluoromethyl-phenyl-piperidine derivs. are described. The products are used in suspension aerosols. Thus a compn. contained (wt./wt.%): tiotropium bromide 0.015; NK1 receptor antagonist 0.066; soy lecithin 0.2; TG11: TG12 = 2:3 to 100.

IT **415916-92-6P 415917-00-9P**, BIIM 1310
415917-07-6P 457910-79-1P 457910-98-4P
457911-01-2P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(inhalant compns. contg. anticholinergics and NK1 receptor antagonists)

RN 415916-92-6 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(3-hydroxypropyl)methylamino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)

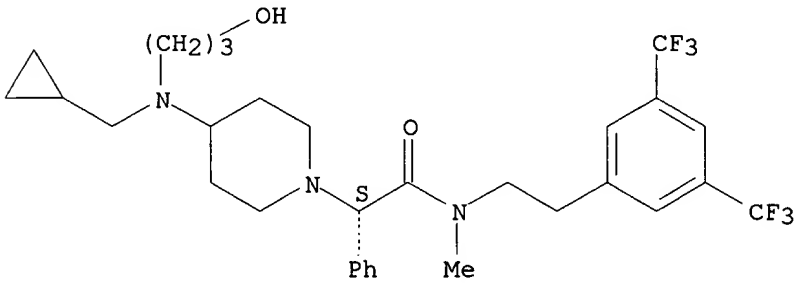


RN 415917-00-9 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)methylamino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)

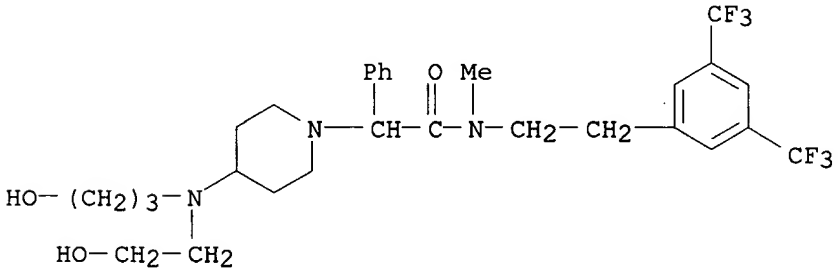


RN 415917-07-6 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



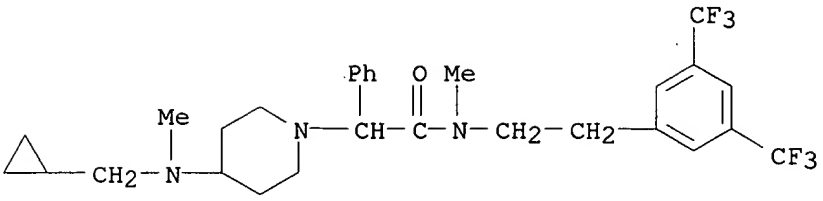
RN 457910-79-1 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(2-hydroxyethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)



RN 457910-98-4 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)methylamino]-N-methyl-.alpha.-phenyl-, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

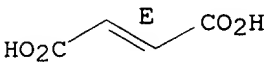
CRN 415917-00-9
CMF C29 H35 F6 N3 O



CM 2

CRN 110-17-8
CMF C4 H4 O4

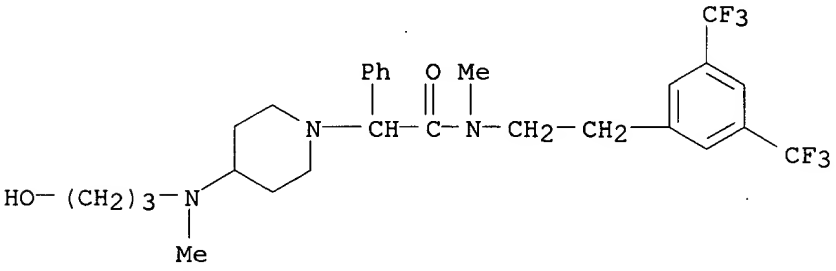
Double bond geometry as shown.



RN 457911-01-2 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(3-hydroxypropyl)methylamino]-N-methyl-.alpha.-phenyl-, (2E)-2-butenedioate (2:1) (salt) (9CI) (CA INDEX NAME)

CM 1

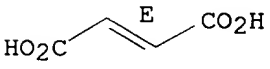
CRN 415916-92-6
CMF C28 H35 F6 N3 O2



CM 2

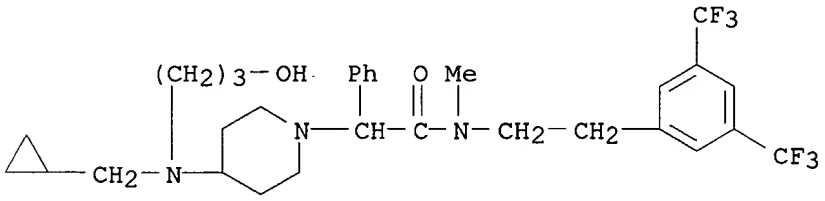
CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



IT **457910-81-5**
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

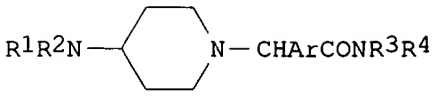
(inhalant compns. contg. anticholinergics and NK1 receptor antagonists)
RN 457910-81-5 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)



L14 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:314907 HCAPLUS
DOCUMENT NUMBER: 136:340590
TITLE: 4-Aminopiperidinylacetamides as neurokinin antagonists
INVENTOR(S): Dollinger, Horst; Esser, Franz; Jung, Birgit; Schromm, Kurt; Speck, Georg
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma K.-G., Germany
SOURCE: PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002032865	A1	20020425	WO 2001-EP11906	20011016
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10051320	A1	20020425	DE 2000-10051320	20001017
AU 2002023617	A5	20020429	AU 2002-23617	20011016
US 2002147219	A1	20021010	US 2001-981025	20011016

PRIORITY APPLN. INFO.: DE 2000-10051320 A 20001017
US 2000-250541P P 20001201
WO 2001-EP11906 W 20011016
OTHER SOURCE(S): MARPAT 136:340590
GI



I

AB Title compds. I [R1 = (CH2)3OH, CH2CH(OH)CH2OH, cycloalkylmethyl; R2 = H, alkyl, hydroxyalkyl, CH2CH(OH)CH2OH, cycloalkylmethyl; R3 = (un)substituted Ph; R4 = H, alkyl, cycloalkyl, CH2CO2H, CH2CONH2. OH, phenylalkyl; Ar = (un)substituted Ph] were prepd. Thus, 1-benzyl-4-piperidinone was treated with H2N(CH2)3OH, N-methylated, debenzylated, and treated with 3,5-(F3C)2C6H3CH2CH2NMeCOCHPhO3SMe to give I [R1 = (CH2)3OH, R2 = R3 = Me, R4 = 3,5-(F3C)2C6H3CH2CH2]. At 0.2 .mu.Mol/kg iv in guinea pigs this compd. was effective in lowering blood pressure for > 360 min.

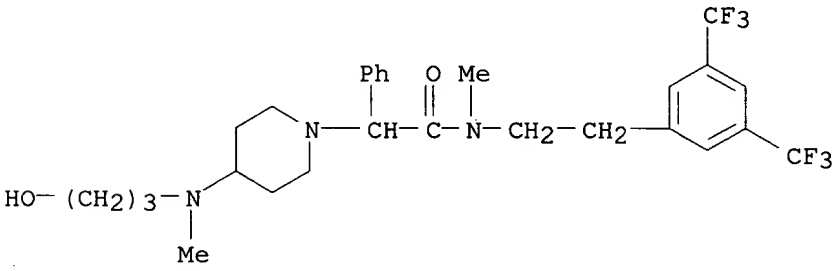
IT **415916-93-7P 415917-01-0P 415917-04-3P 415917-07-6P 415917-08-7P 415917-09-8P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 4-aminopiperidinylacetamides as neurokinin antagonists)

RN 415916-93-7 HCAPLUS

CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(3-hydroxypropyl)methylamino]-N-methyl-.alpha.-phenyl-, compd. with (2E)-2-butene (2:3) (9CI) (CA INDEX NAME)

CM 1

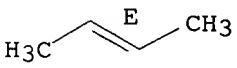
CRN 415916-92-6
CMF C28 H35 F6 N3 O2



CM 2

CRN 624-64-6
CMF C4 H8

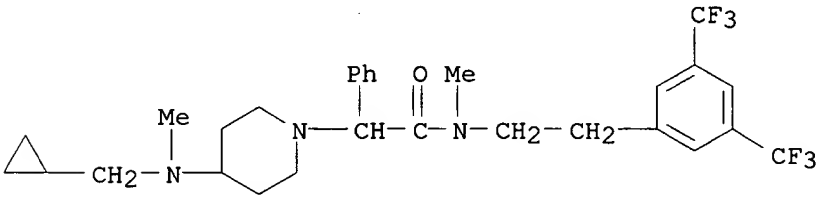
Double bond geometry as shown.



RN 415917-01-0 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)methylamino]-N-methyl-.alpha.-phenyl-, compd. with (2E)-2-butene (2:3) (9CI) (CA INDEX NAME)

CM 1

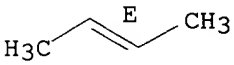
CRN 415917-00-9
CMF C29 H35 F6 N3 O



CM 2

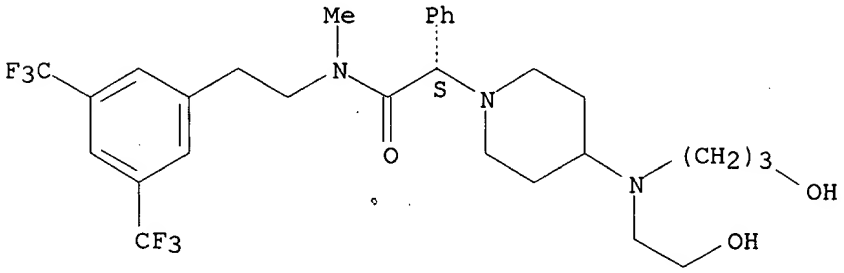
CRN 624-64-6
CMF C4 H8

Double bond geometry as shown.



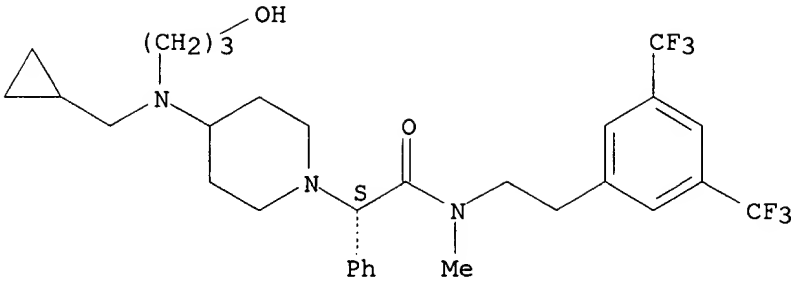
RN 415917-04-3 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(2-hydroxyethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



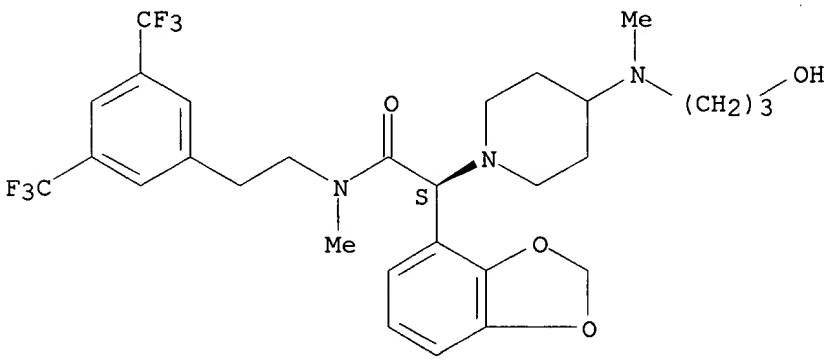
RN 415917-07-6 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



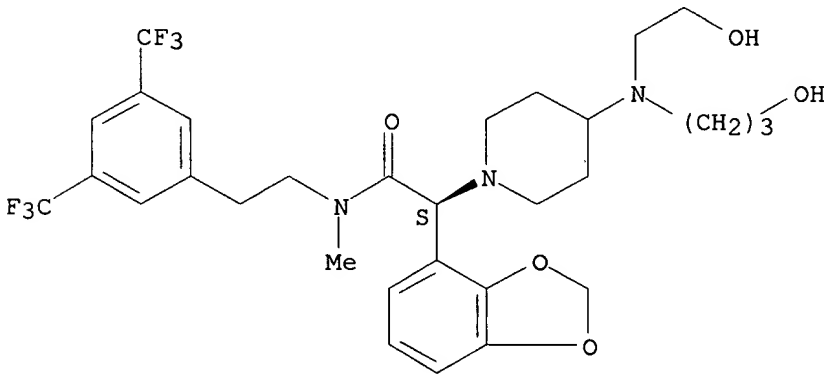
RN 415917-08-7 HCAPLUS
CN 1-Piperidineacetamide, .alpha.-1,3-benzodioxol-4-yl-N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(3-hydroxypropyl)methylamino]-N-methyl-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 415917-09-8 HCAPLUS
CN 1-Piperidineacetamide, .alpha.-1,3-benzodioxol-4-yl-N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(2-hydroxyethyl)(3-hydroxypropyl)amino]-N-methyl-, (.alpha.S)- (9CI) (CA INDEX NAME)

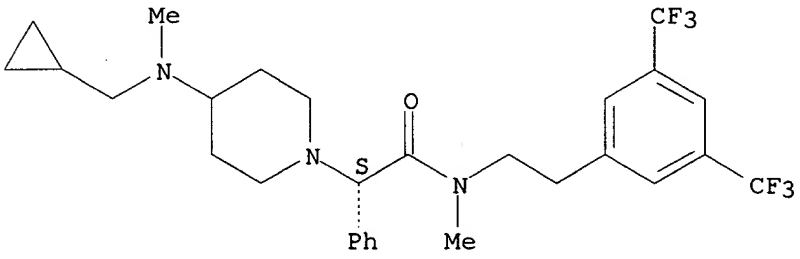
Absolute stereochemistry.



IT **415917-11-2P 415917-12-3P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

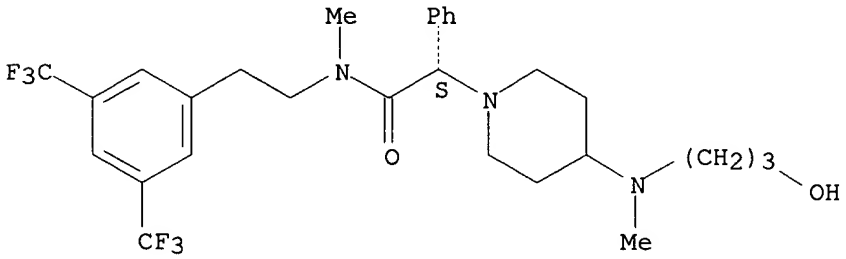
(prepn. of 4-aminopiperidinylacetamides as neurokinin antagonists)
RN 415917-11-2 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)methylamino]-N-methyl-.alpha.-phenyl-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 415917-12-3 HCAPLUS
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(3-hydroxypropyl)methylamino]-N-methyl-.alpha.-phenyl-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1996:718222 HCAPLUS
DOCUMENT NUMBER: 126:8132
TITLE: Preparation of arylglycinamide derivatives as tachykinin antagonists.
INVENTOR(S): Schnorrenberg, Gerd; Dollinger, Horst; Esser, Franz; Briem, Hans; Jung, Birgit; Speck, Georg
PATENT ASSIGNEE(S): Boehringer Ingelheim Kg, Germany
SOURCE: Ger. Offen., 29 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19519245	A1	19961017	DE 1995-19519245	19950525

TW	449590	B	20010811	TW	1996-85104093	19960408
CA	2218096	AA	19961017	CA	1996-2218096	19960411
WO	9632386	A1	19961017	WO	1996-EP1548	19960411

W: AU, BG, BR, BY, CA, CN, CZ, EE, HU, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, UZ, VN

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

AU	9656874	A1	19961030	AU	1996-56874	19960411
AU	706209	B2	19990610			
EP	824530	A1	19980225	EP	1996-914901	19960411

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI

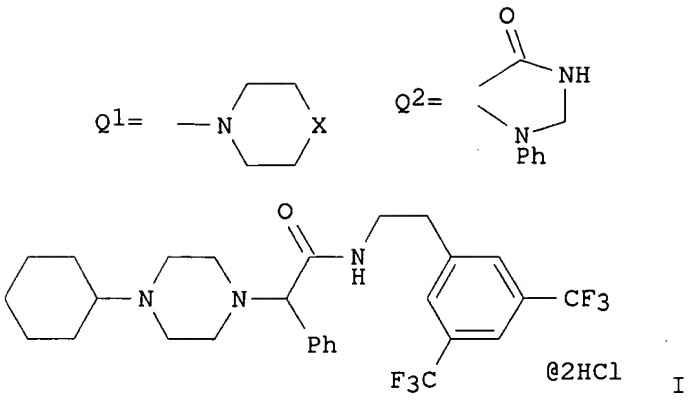
CN	1180352	A	19980429	CN	1996-193094	19960411
CN	1071329	B	20010919			
BR	9604821	A	19980609	BR	1996-4821	19960411
JP	11503441	T2	19990326	JP	1996-530714	19960411
NZ	307505	A	20000929	NZ	1996-307505	19960411
RU	2167866	C2	20010527	RU	1997-118779	19960411
SK	282158	B6	20011106	SK	1997-1387	19960411
EE	3872	B1	20021015	EE	1997-227	19960411
ZA	9602916	A	19961014	ZA	1996-2916	19960412
IL	117888	A1	20001121	IL	1996-117888	19960412
US	5710155	A	19980120	US	1996-688478	19960730
CN	1206715	A	19990203	CN	1997-117758	19970829
US	5861509	A	19990119	US	1997-947785	19971009
NO	9704734	A	19971013	NO	1997-4734	19971013
US	6124296	A	20000926	US	1997-930704	19971029
US	6121262	A	20000919	US	1999-228731	19990112
US	6251909	B1	20010626	US	2000-507581	20000218
US	6294556	B1	20010925	US	2000-511629	20000218
US	2001011093	A1	20010802	US	2001-752730	20010103
US	6303601	B2	20011016			
US	6413959	B1	20020702	US	2001-971358	20011005
US	2002086863	A1	20020704			

PRIORITY APPLN. INFO.:

DE	1995-19514112	A1	19950414
DE	1995-19519245	A	19950525
US	1995-473470	B1	19950607
WO	1996-EP1548	W	19960411
US	1996-688478	A1	19960730
US	1997-947785	A1	19971009
US	1997-930704	A3	19971029
US	2000-507581	A3	20000218
US	2001-752730	A3	20010103

OTHER SOURCE(S): MARPAT 126:8132

GI



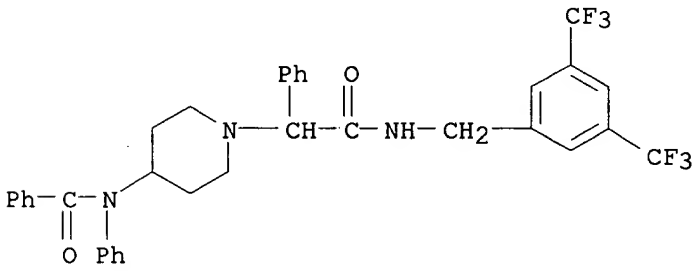
I

AB R1R2NCR3ArCONR4R5 [Ar = (substituted) Ph, naphthyl; R1R2N = Q1; X = O, N(CH2)nR6, CR7R8; n = 0-2; R6 = alkyl, (substituted) Ph, naphthyl; R7 = R8 = H when R3 = (substituted) Ph; R7 = morpholinyl, piperidinyl, pyrrolidinyl, 2-pyridinylamino, Ph, PhCONH, etc; R8 = H, CONH2, NHAc, NMeAc; R7R8 = Q2; R3 = H, alkyl, (substituted) Ph; R4 = (substituted) phenylalkyl, naphthylalkyl; R5 = H, alkyl, cycloalkyl, CH2OH], were prepd. Thus, title compd. (I) inhibited binding of 125I-labeled substance P to NK1 receptors with IC50 = 1.4 nM.

IT **183732-12-9P 183732-26-5P 183732-42-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of arylglycinamides as tachykinin antagonists)

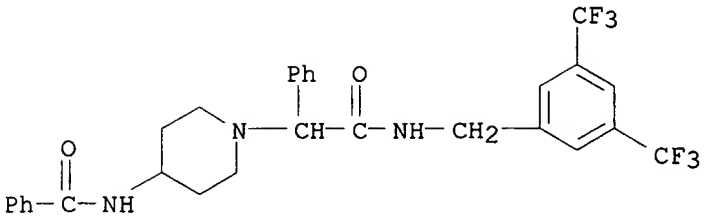
RN 183732-12-9 HCAPLUS

CN 1-Piperidineacetamide, 4-(benzoylphenylamino)-N-[[3,5-bis(trifluoromethyl)phenyl]methyl]-.alpha.-phenyl- (9CI) (CA INDEX NAME)

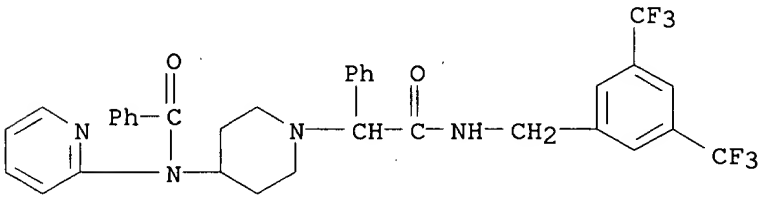


RN 183732-26-5 HCAPLUS

CN 1-Piperidineacetamide, 4-(benzoylamino)-N-[[3,5-bis(trifluoromethyl)phenyl]methyl]-.alpha.-phenyl- (9CI) (CA INDEX NAME)



RN 183732-42-5 HCAPLUS
CN 1-Piperidineacetamide, 4-(benzoyl-2-pyridinylamino)-N-[[3,5-bis(trifluoromethyl)phenyl]methyl]-.alpha.-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)

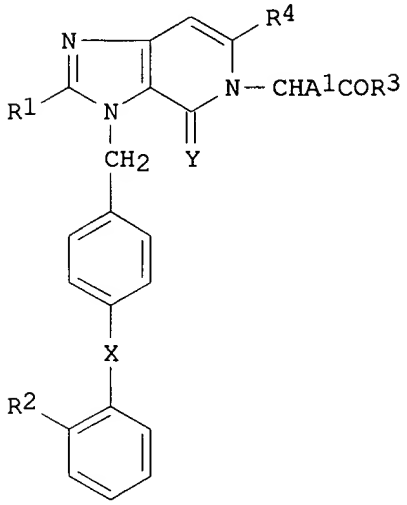


● HCl

L14 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:896125 HCAPLUS
DOCUMENT NUMBER: 123:313956
TITLE: Preparation of imidazo[4,5-c]pyridine pharmaceuticals
INVENTOR(S): Mederski, Werner; Dorsch, Dieter; Osswald, Mathias; Beier, Norbert; Schelling, Pierre; Minck, Klaus-Otto; Lues, Ingeborg
PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
SOURCE: Ger. Offen., 20 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4341453	A1	19950608	DE 1993-4341453	19931206
EP 657452	A1	19950614	EP 1994-118416	19941123
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
HU 72595	A2	19960528	HU 1994-3451	19941201
CA 2137213	AA	19950607	CA 1994-2137213	19941202
AU 9479190	A1	19950615	AU 1994-79190	19941202
NO 9404689	A	19950607	NO 1994-4689	19941205
ZA 9409664	A	19950815	ZA 1994-9664	19941205
CN 1109056	A	19950927	CN 1994-119893	19941205
US 5532276	A	19960702	US 1994-353309	19941205

JP 07196656 A2 19950801 JP 1994-302170 19941206
PRIORITY APPLN. INFO.: DE 1993-4341453 19931206
OTHER SOURCE(S): MARPAT 123:313956
GI



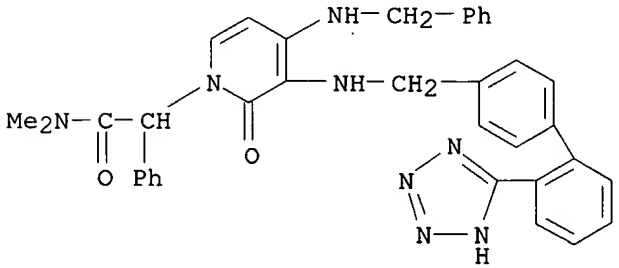
I

AB The title compds. [I; A1 = (un)substituted Ph, (un)substituted naphthyl, heterocyclyl, etc.; R1 = alkyl, alkenyl, alkynyl, etc.; R2 = H, (un)substituted CO2H, CN, NO2, 1H-5-tetrazolyl; R3 = (un)substituted NH2, cycloalkoxy, naphthyloxy, etc.; R4 = H, halogen; X = NHCO, CONH, CCH(CO2H), etc.; Y = O, S] [e.g., 2-butyl-3-(2'-carboxybiphenylyl-4-methyl)-4,5-dihydro-4-oxo-5-(.alpha.-N,N-dimethylcarbamoylbenzyl)-3H-imidazo[4,5-c]pyridine], useful as pharmaceuticals (no data), are prepd. and I-contg. formulations presented.

IT **169754-68-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of imidazo[4,5-c]pyridine pharmaceuticals from)

RN 169754-68-1 HCAPLUS

CN 1(2H)-Pyridineacetamide, N,N-dimethyl-2-oxo-.alpha.-phenyl-4-[(phenylmethyl)amino]-3-[[[2'-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]amino]- (9CI) (CA INDEX NAME)



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FILE 'CAOLD' ENTERED AT 10:57:14 ON 01 APR 2003
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FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.  Title keywords, authors, patent
  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

  This file supports REGlstRY for direct browsing and searching of
  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

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=> s l13
L15           0 L13

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=> fil reg
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   31 MAR 2003  HIGHEST RN 501072-24-8
DICTIONARY FILE UPDATES:  31 MAR 2003  HIGHEST RN 501072-24-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf
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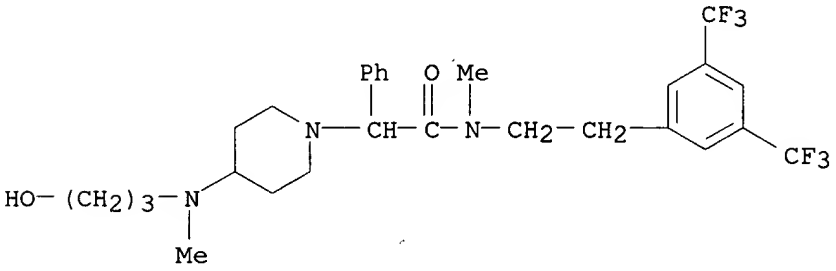
L13 ANSWER 1 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 457911-01-2 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(3-hydroxypropyl)methylamino]-N-methyl-.alpha.-phenyl-, (2E)-2-butenedioate (2:1) (salt) (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C28 H35 F6 N3 O2 . 1/2 C4 H4 O4
SR CA
LC STN Files: CA, CAPLUS

CM 1

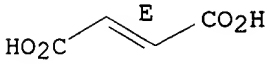
CRN 415916-92-6
CMF C28 H35 F6 N3 O2



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



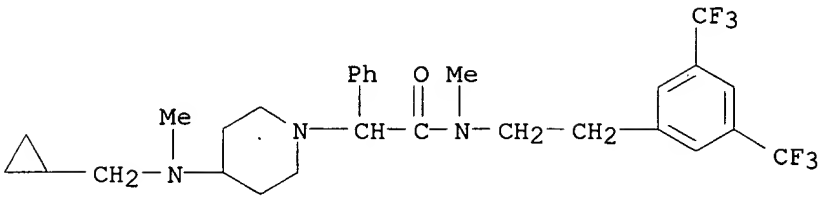
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:237717

L13 ANSWER 2 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 457910-98-4 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)methylamino]-N-methyl-.alpha.-phenyl-, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H35 F6 N3 O . 1/2 C4 H4 O4
SR CA
LC STN Files: CA, CAPLUS

CM 1

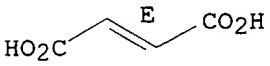
CRN 415917-00-9
CMF C29 H35 F6 N3 O



CM 2

CRN 110-17-8
CMF C4 H4 O4

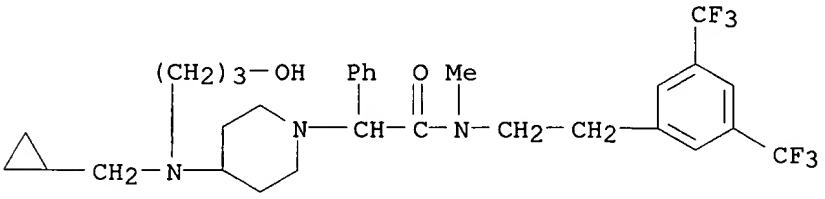
Double bond geometry as shown.



1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:237717

L13 ANSWER 3 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 457910-81-5 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C31 H39 F6 N3 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



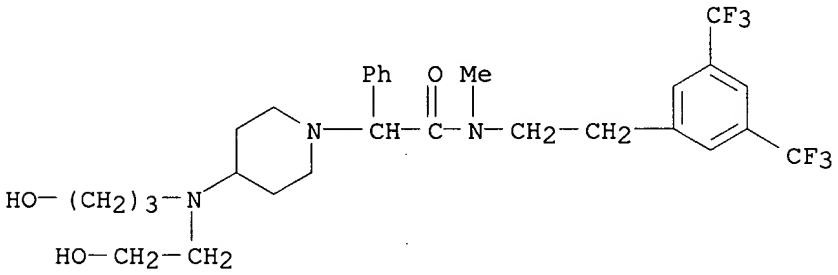
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:346202

REFERENCE 2: 137:237717

L13 ANSWER 4 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 457910-79-1 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(2-hydroxyethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C29 H37 F6 N3 O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

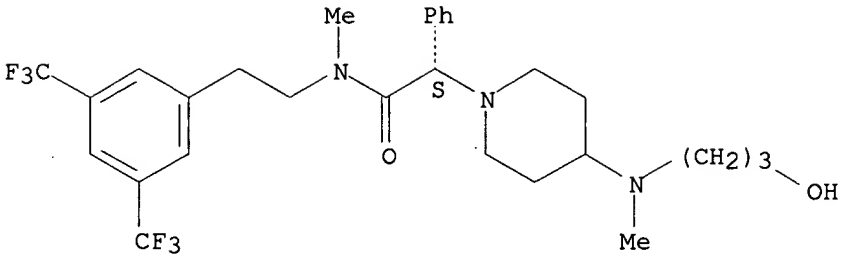
2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:346202

REFERENCE 2: 137:237717

L13 ANSWER 5 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 415917-12-3 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(3-hydroxypropyl)methylamino]-N-methyl-.alpha.-phenyl-, (.alpha.S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C28 H35 F6 N3 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



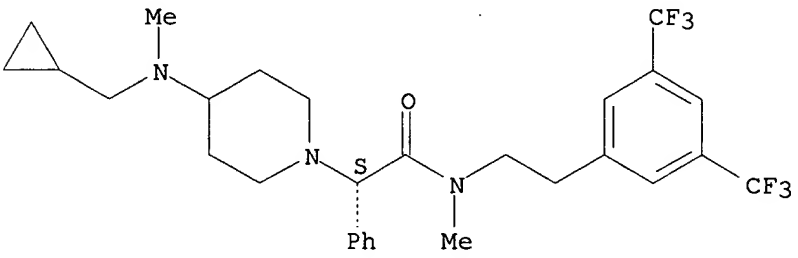
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:340590

L13 ANSWER 6 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 415917-11-2 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)methylamino]-N-methyl-.alpha.-phenyl-, (.alpha.S)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H35 F6 N3 O
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

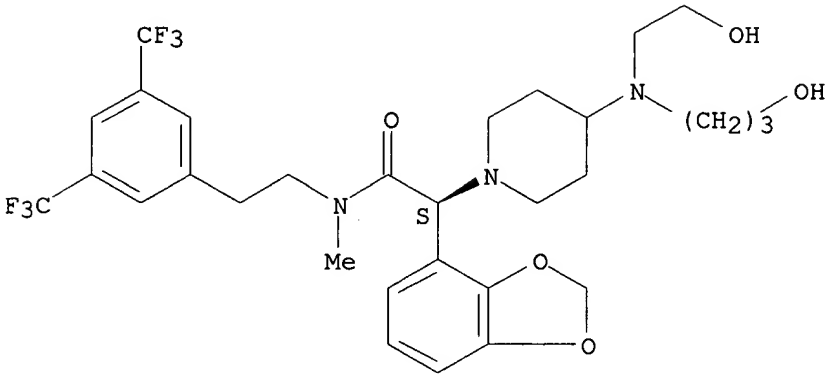
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:340590

L13 ANSWER 7 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 415917-09-8 REGISTRY
CN 1-Piperidineacetamide, .alpha.-1,3-benzodioxol-4-yl-N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(2-hydroxyethyl)(3-hydroxypropyl)amino]-N-methyl-, (.alpha.S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C30 H37 F6 N3 O5

SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



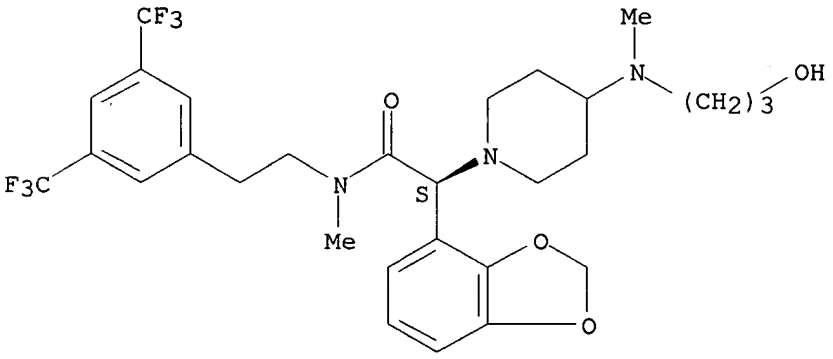
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:340590

L13 ANSWER 8 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 415917-08-7 REGISTRY
CN 1-Piperidineacetamide, .alpha.-1,3-benzodioxol-4-yl-N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(3-hydroxypropyl)methylamino]-N-methyl-, (.alpha.S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H35 F6 N3 O4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

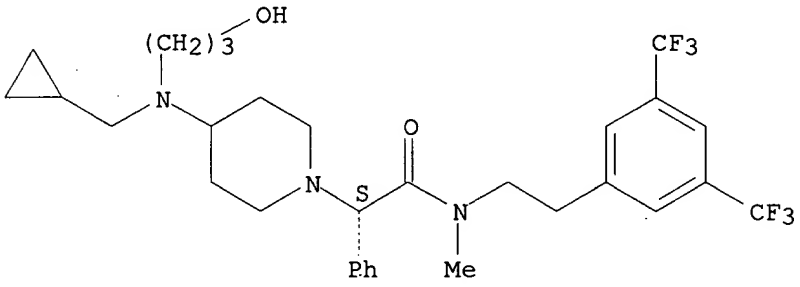
1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:340590

L13 ANSWER 9 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 415917-07-6 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl-, (.alpha.S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C31 H39 F6 N3 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

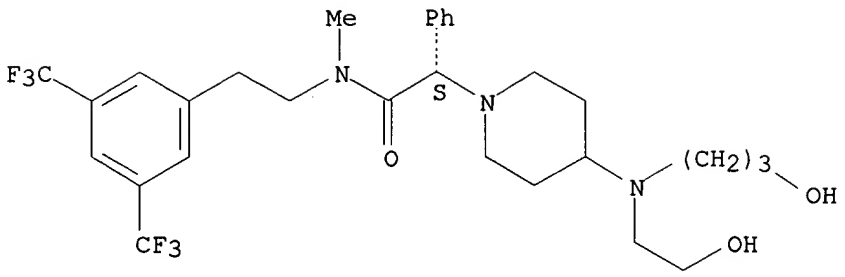
REFERENCE 1: 137:346202

REFERENCE 2: 137:237717

REFERENCE 3: 136:340590

L13 ANSWER 10 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 415917-04-3 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(2-hydroxyethyl)(3-hydroxypropyl)amino]-N-methyl-.alpha.-phenyl-, (.alpha.S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H37 F6 N3 O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

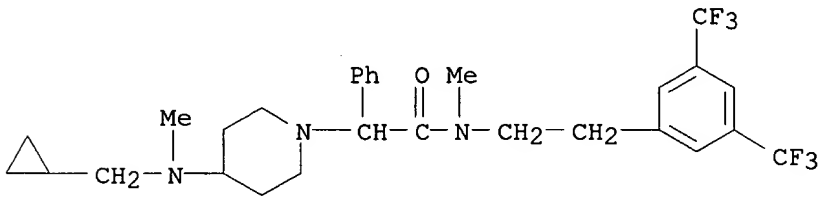
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:340590

L13 ANSWER 11 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 415917-01-0 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)methylamino]-N-methyl-.alpha.-phenyl-, compd. with (2E)-2-butene (2:3) (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H35 F6 N3 O . 3/2 C4 H8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

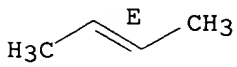
CRN 415917-00-9
CMF C29 H35 F6 N3 O



CM 2

CRN 624-64-6
CMF C4 H8

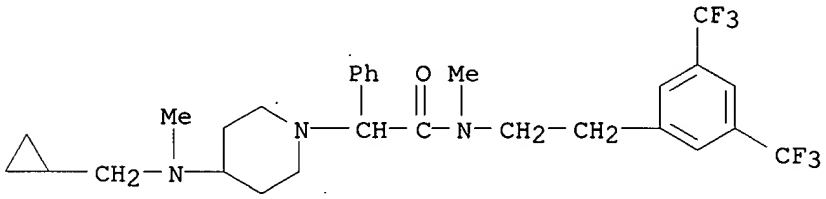
Double bond geometry as shown.



1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:340590

L13 ANSWER 12 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 415917-00-9 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(cyclopropylmethyl)methylamino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN BIIM 1310
FS 3D CONCORD
MF C29 H35 F6 N3 O
CI COM
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

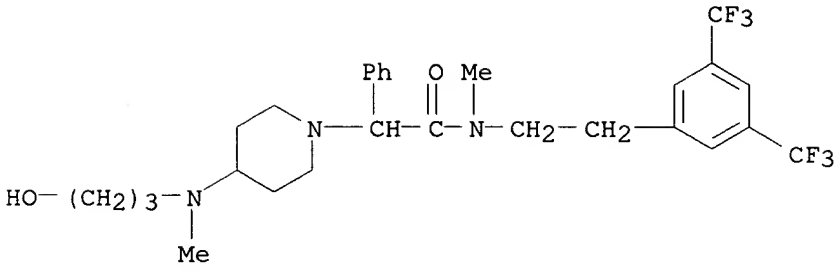
REFERENCE 1: 137:346202

REFERENCE 2: 137:237717

L13 ANSWER 13 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 415916-93-7 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(3-hydroxypropyl)methylamino]-N-methyl-.alpha.-phenyl-, compd. with (2E)-2-butene (2:3) (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C28 H35 F6 N3 O2 . 3/2 C4 H8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

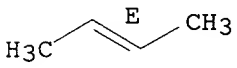
CRN 415916-92-6
CMF C28 H35 F6 N3 O2



CM 2

CRN 624-64-6
CMF C4 H8

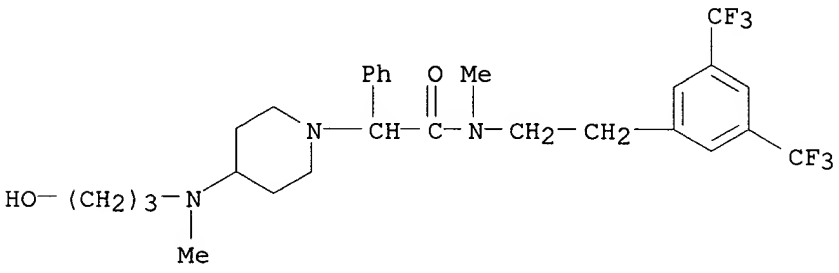
Double bond geometry as shown.



1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:340590

L13 ANSWER 14 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 415916-92-6 REGISTRY
CN 1-Piperidineacetamide, N-[2-[3,5-bis(trifluoromethyl)phenyl]ethyl]-4-[(3-hydroxypropyl)methylamino]-N-methyl-.alpha.-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C28 H35 F6 N3 O2
CI COM
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



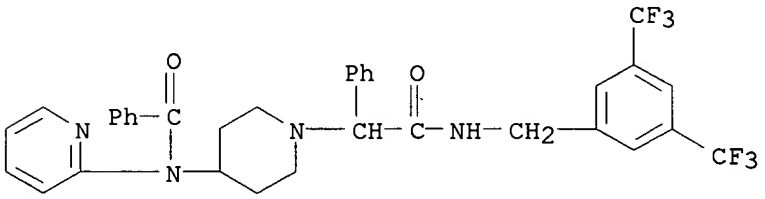
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:346202

REFERENCE 2: 137:237717

L13 ANSWER 15 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 183732-42-5 REGISTRY
CN 1-Piperidineacetamide, 4-(benzoyl-2-pyridinylamino)-N-[[3,5-bis(trifluoromethyl)phenyl]methyl]-.alpha.-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)
MF C34 H30 F6 N4 O2 . Cl H
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

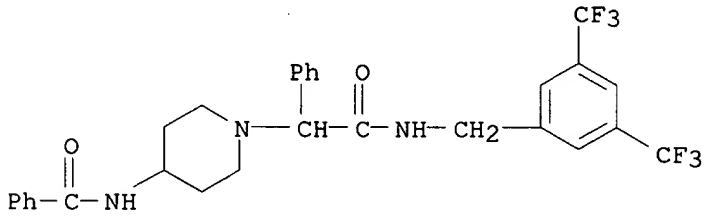


● HCl

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 126:8132

L13 ANSWER 16 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 183732-26-5 REGISTRY
CN 1-Piperidineacetamide, 4-(benzoylamino)-N-[[3,5-bis(trifluoromethyl)phenyl]methyl]-.alpha.-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C29 H27 F6 N3 O2
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

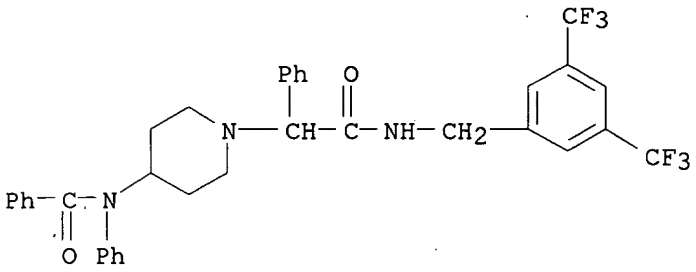


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 126:8132

L13 ANSWER 17 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 183732-12-9 REGISTRY
CN 1-Piperidineacetamide, 4-(benzoylphenylamino)-N-[[3,5-bis(trifluoromethyl)phenyl]methyl]-.alpha.-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C35 H31 F6 N3 O2
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

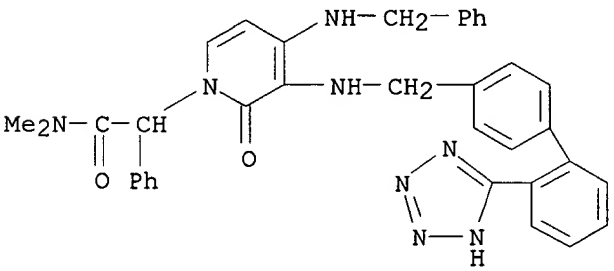


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 126:8132

L13 ANSWER 18 OF 18 REGISTRY COPYRIGHT 2003 ACS
RN 169754-68-1 REGISTRY
CN 1(2H)-Pyridineacetamide, N,N-dimethyl-2-oxo-.alpha.-phenyl-4-[(phenylmethyl)amino]-3-[[[2'-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]amino]- (9CI) (CA INDEX NAME)
MF C36 H34 N8 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 123:313956

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DATE: Tuesday, April 01, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
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L2	L1 and phenylacet$	101	L2
L1	((514/315)!.CCLS.)	663	L1

END OF SEARCH HISTORY